

**METHOD AND APPARATUS FOR BLOCK-ORIENTED MEMORY  
MANAGEMENT PROVIDED IN SMART CARD CONTROLLERS**

Inventor: Ranier Nase  
Docket No.: 0740-73

10/541284

1 / 5

Structure of the BAT

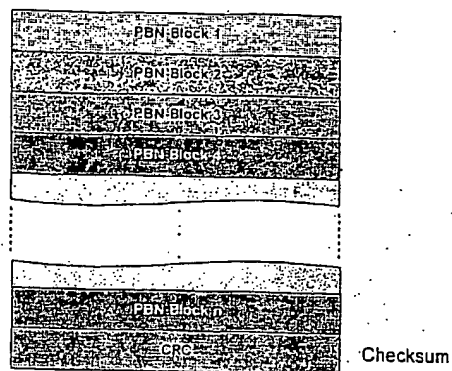


Figure 1

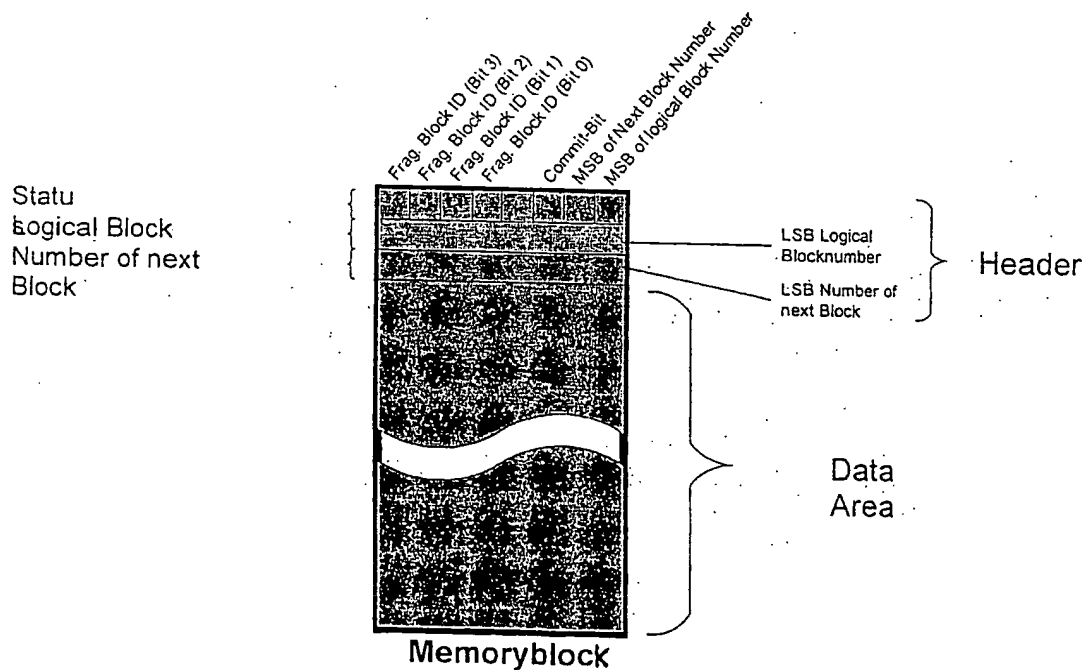


Figure 2

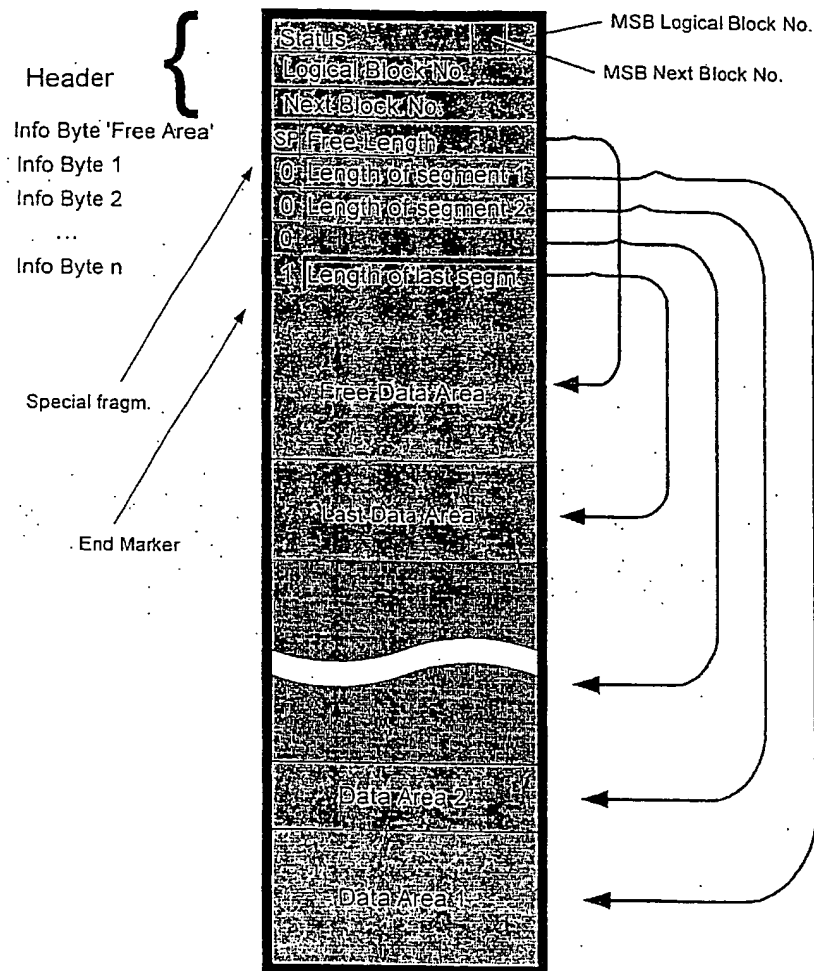
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10/541284

2 / 5



**Fragmented Memory  
Block**

**Figure 3**

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10/541284

3 / 5

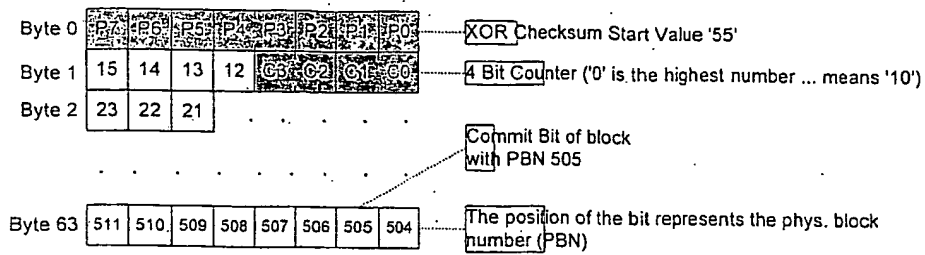


Figure 4

## Chain of Free blocks

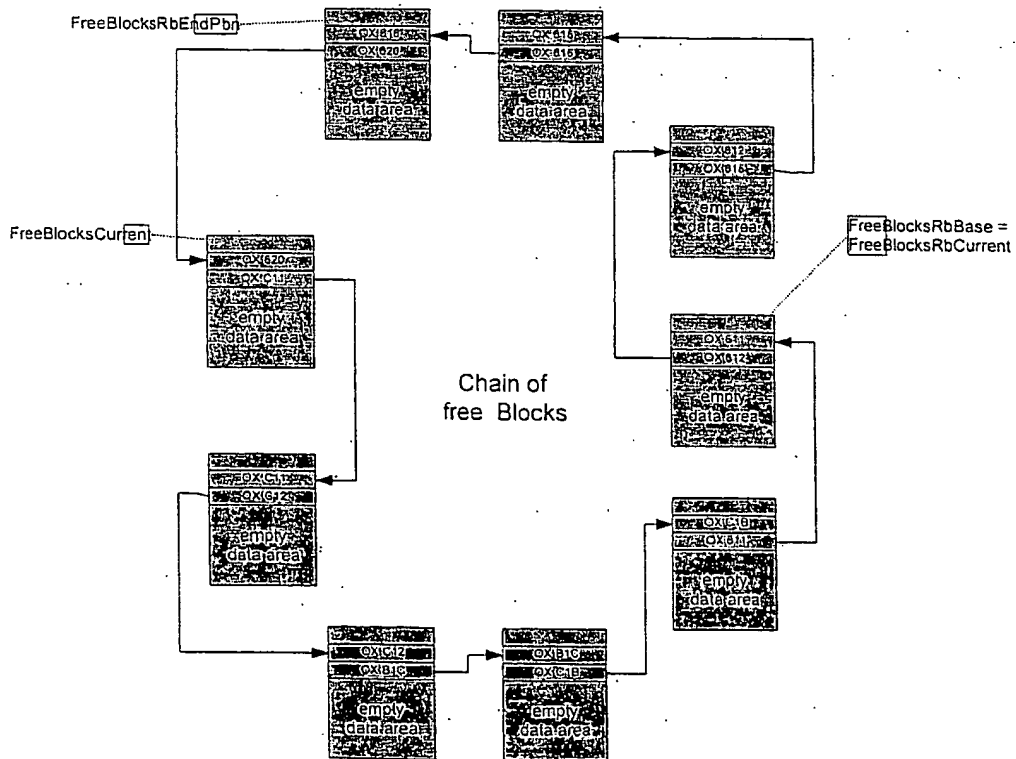


Figure 5

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4 / 5

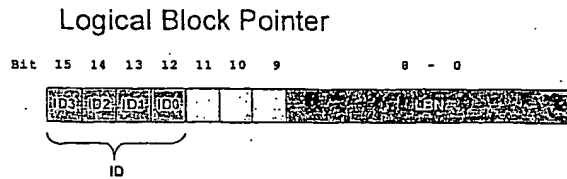


Figure 6

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Flow of a Update Process

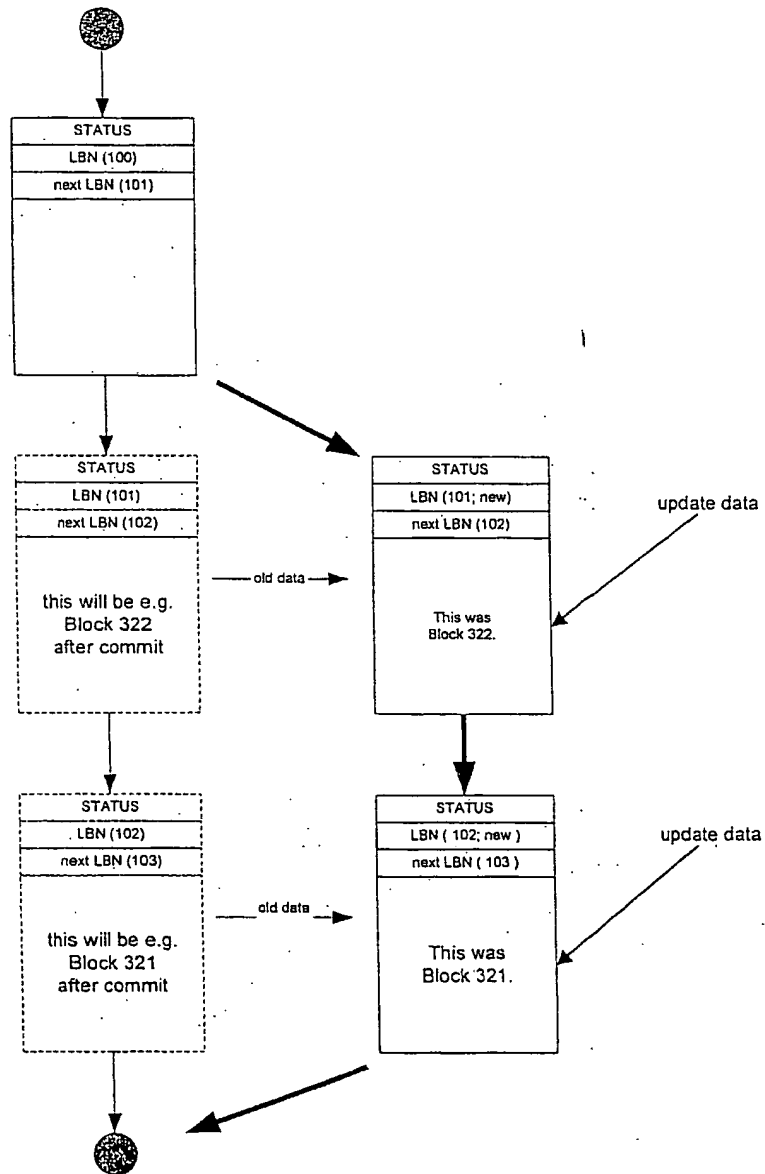


Figure 7